

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Thomas M. DiMauro, Mohamed Attawia, Hassan Serhan, Martin A. Reynolds,

Melissa Grace, Sudhakar Kadiyala, David Urbahns, Scott Bruder, Gregory

Collins, Laura J. Brown, Jeff Geesin, Pamela L. Plouhar, Catherine Smith and

John Siekierka

Application No.:

10/630,227

Group:

1615

Filed:

July 30, 2003

Examiner: Not yet assigned

Confirmation No.: 8291

For:

TRANS-CAPSULAR ADMINISTRATION OF HIGH SPECIFICITY

CYTOKINE INHIBITORS INTO ORTHOPEDIC JOINTS

CERTIFICATE OF MAILING OR TRANSMISSION

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Date

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TRANSMITTAL OF POWER OF ATTORNEY DOCUMENT AND

STATEMENT UNDER 37 C.F.R. § 3.73 (b)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Please find enclosed herewith an executed Power of Attorney document and executed Statement Under 37 C.F.R. § 3.73(b) for filing in the captioned application.

Please charge any fees that may be due in this matter to Deposit Account No. 08-0380. A copy of this letter is enclosed for accounting purposes.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

enche E. Sanders

Deirdre E. Sanders

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Concord, MA 01742-9133

Date:

March 2,2084

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

MAR 0 4 2004

AUTHORIZATION OF AGENT AND CORRESPONDENCE ADDRESS

Application Number	10/630,227
Filing Date	July 30, 2003
First Named Inventor	Thomas M. DiMauro
Confirmation Number	Not yet assigned
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	3518.1015-000

Title

TRANS-CAPSULAR ADMINISTRATION OF HIGH SPECIFICITY CYTOKINE INHIBITORS INTO ORTHOPEDIC JOINTS

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[X	[]	the atto	orneys/ag	gents a	ssocia	ted with	Custome	No. 0	21005					
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ар	my/ plica erew	ations th	orneys/ag hereof, a	gents f	o prose ransac	ecute th t all bus	e application	n ider Unite	ntified aboved States F	ve, inclu Patent a	uding any con and Tradema	itinuation rk Office	on or divis e connect	ional ed
Th	e co	rrespo	ndence a	addres	s for th	e above	e-identified	applic	ation is:					
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		Hamilto	on, Brook	c, Smit	h & Re	ynolds,	P.C.							
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Na	me	Alice	O. Carro	II, Esq			Tel. No.		978-341-0	0036	Fax No	9	78-341-0	136
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1			int/Invent	or.										
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[X]		Authori A State	zed repre	esenta der 37	tive of t	the Ass §3.73(ignee, DeP b) is enclos	uy Acı ed.	oMed, Inc	., of the	e entire intere	st. See	e 37 C.F.F	R. § 3.71.
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					SIC	GNATUI	RE of Applic	ant or	Assignee	of Reco	ord			
Nan	ne &	Title	Thomas	s M. D	iMauro	, Esq.	Assistan	t Secr	etary				·	
Sign	natur	е	c	MM	WV									
Date	е				2.20	YO.								

STATEMENT UNDER 37 C.F.R. § 3.73(b)

Applica	Tho	mas M. DiMauro, Mohamed Atta	<u>wia, Hassan Serhan, Martin A. Reynolds, Melissa Grace, Sudnakar Kadiyala,</u>	
David U	Jrbahns,	Scott Bruder, Gregory Collins, La	<u>ura J. Brown, Jeff Geesin, Pam Plouhar, Catherine Smith and John Siekierka</u>	Ī
Applica	tion No.	: 10/630,227	Filed: July 30, 2003	
For: TR	ANS-CA	APSULAR ADMINISTRATION	OF HIGH SPECIFICITY CYTOKINE INHIBITORS INTO ORTHOPEDIC	
JO	INTS			
	DePuy	AcroMed, Inc.	, a <u>corporation</u> ,	,
		(Name of Assignee)	(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)	
states th	at it is			
Α.	[X]	the assignee of the entire right,	itle and interest in the patent application identified above; or	
B.	[]	an assignee together with [above.] of the entire right, title and interest in the patent application identified	
The rigl	ht, title a	nd interest of the above-named as	signee in the patent application identified above is established by virtue of:	
A. [X]			patent application identified above. The assignment was recorded in the Pate, Frame, or a copy thereof is attached.	nt
OR		•		
B.[]	A chair	n of title from the inventor(s) of th	e patent application identified above, to the current assignee as shown below	:
	1.	From:	To:	
			he Patent and Trademark Office at, or a copy thereof is attached.	
	2.	From:	To:	
		Reel, Frame	he Patent and Trademark Office at, or a copy thereof is attached.	
	3.	From:	To:	
		The document was recorded in	he Patent and Trademark Office at, or a copy thereof is attached.	
	[] Ad	dditional documents in the chain o	f title are listed on a supplemental sheet.	
Theum	lanalama a	I (whas title is sumplied helow) is	authorized to act on behalf of the assignee.	
Date:	-	2 20.04	authorized to act on behalf of the assignee.	
Name:_	Thoma	s M. DiMauro		
Title:	Assista	nt Secretary		
Signatu	re:	Thomas M Dillan	45	

ASSIGNMENT

COPY

<u>Joint</u>

WHEREAS, we, Thomas M. DiMauro, Mohamed Attawia, Hassan Serhan, Martin A. Reynolds, Melissa Grace, Sudhakar Kadiyala, David Urbahns, Scott Bruder, Gregory Collins, Laura J. Brown, Jeff Geesin, Pam Plouhar, Catherine Smith and John Siekierka, have invented a certain improvement in TRANS-CAPSULAR ADMINISTRATION OF HIGH SPECIFICITY CYTOKINE INHIBITORS INTO ORTHOPEDIC JOINTS described in an application for Letters Patent of the United States,

[]	the specification of which is being executed on even date herewith and is about to be filed in the United States Patent Office (use for 37 CFR §1.53(b) filings only);
[X]	the specification of which was filed on July 30, 2003 as United States Application No. 10/630,227;
[]	the specification of which is the United States National Stage of International Application No. [PCT Appl'n No.], filed on [PCT Filing Date] [OPTION and assigned United States Application No. []] (use for 35 USC §371 filings only);
[]	which was patented under United States Patent No. [] on [].

WHEREAS, **DePuy AcroMed**, **Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at **325 Paramount Drive**, **Raynham**, **Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature:	Gl	ME	Aa_		
	•	Thom	as M. DiMa	auro	
State/Commonwealth				, .	
of Massachi	setts_			,	
County of Bris	tal				
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(SEAL)	Daren	M. Alt		tary Public nt name)	
	- Hares	o M. Da	(PII	in name)	
	My Comm	ission expires	10 100	1103	

Inventor's Signature: M Allawa
Mohamed Attawia
State/Commonwealth
of Mass
County of Bustil
Then personally appeared before me the above-named Mohamed Attawia and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this
Patricia A. Hubber (print name)
My Commission expires 03 1 09 12007
Inventor's Signature:
Massan Serhan
of Missachusetts
County of
Then personally appeared before me the above-named Hassan Serhan and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this day of, 2003 (SEAL) Notary Public
Patricia A. Hubler (print name)
My Commission expires <u>810912007</u>

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Inventor's Sign	ature: // Certif / zero
State/Common	Martin A. Reynolds
	Man.
of	
County of	- pristal.
- '	y appeared before me the above-named Martin A. Reynolds and that he/she executed the foregoing instrument as his/her free act and deed this day of
(SEAL)	Jatrice & A. Hublin Notary Public
	Patricia H. Hubler (print name)
·	My Commission expires $\frac{O8}{1091200}$
Inventor's Signa	My Commission expires O8 10912007
	My Commission expires O3 10912007 ature: Melissa Grace
State/Common	My Commission expires O3 10912007 ature: Melissa Grace wealth
State/Common	My Commission expires O3 10912007 ature: Melissa Grace
State/Common	My Commission expires O3 10912007 ature: Melissa Grace wealth
State/Common of	My Commission expires OB 10912007 ature: Melissa Grace Wealth Machaeletts Appeared before me the above-named Melissa Grace and acknowledged that the foregoing instrument as his/her free act and deed this 29 day
County of Then personally he/she executed	My Commission expires OB 10912007 ature: Melissa Grace Wealth Machaele Ita Mappeared before me the above-named Melissa Grace and acknowledged that the foregoing instrument as his/her free act and deed this 29 day

Inventor's Signature: S-Kadeyela
Sudhakar Kadiyala
State/Commonwealth
of
County of Bustal
Then personally appeared before me the above-named Sudhakar Kadiyala and acknowledged that he/she/executed the foregoing instrument as his/her free act and deed this and day of and the sum of the
(SEAL) Tutsuceas A. Lubler Notary Public
Palkicia A Huliler (print name)
My Commission expires <u>08 09 2007</u>
Inventor's Signature: 9/26/03
David Urbahns
State/Commonwealth
of Mass
County of Sriptal
County of Sustal
Then personally appeared before me the above-named David Urbahns and acknowledged that he/she/executed the foregoing instrument as his/her free act and deed this day of, 20 3
Then personally appeared before me the above-named David Urbahns and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this day of
Then personally appeared before me the above-named David Urbahns and acknowledged that he/she/executed the foregoing instrument as his/her free act and deed this
Then personally appeared before me the above-named David Urbahns and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this day of

Inventor's Signature	: Costo Denas
_	Scott Bruder
State/Commonweal	th
of /	Mass
County of	Bristol
	- Succession
he/she/executed the	beared before me the above-named Scott Bruder and acknowled foregoing instrument as his/her free act and deed this 3444.
(SEAL)	Jatricen S. Subles Notary Public
	Taterina A. Hubbere (print name)
	M. Commission amina 07 / 09 / 2007
	My Commission expires <u>08 1 091 2007</u>
Inventor's Signature	: Allery Skolling
State/Commonweal	: Myly Melling Gregory Collins
State/Commonweal	: Myly Melling Gregory Collins
State/Commonweal	: My Holley Gregory Collins
State/Commonweal of Mass. County of 3.2 Then personally app	Gregory Collins th Cachusetts Seared before me the above-named Gregory Collins and acknow the foregoing instrument as his/her free act and deed this
State/Commonweal of Mass. County of Branch of County of Branch of County of	Gregory Collins th Cachusetts Seared before me the above-named Gregory Collins and acknow the foregoing instrument as his/her free act and deed this

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Inventor's Signature:	•
	Laura J. Brown
State/Commonwealth	
of	
County of	
	d before me the above-named Laura J. Brown and acknowledged foregoing instrument as his/her free act and deed this, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
	Jeff Geesin
State/Commonwealth	
of	
County of	
	before me the above-named Jeff Geesin and acknowledged that oing instrument as his/her free act and deed this day, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires//

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Inventor's Signature:	
	Pam Plouhar
State/Commonwealth	
of	·
County of	
	before me the above-named Pam Plouhar and acknowledged that oing instrument as his/her free act and deed this day . 20
	, - ·
(SEAL)	Notary Public
	(print name)
	My Commission expires//
•	
Inventor's Signature:	Otherine W. Smith
	Otherine W. Smith Catherine Smith
State/Commonwealth	Catherine Smith
	Catherine Smith
State/Commonwealth	Catherine Smith

· . ·	
Inventor's Signature:	
	John Siekierka
State/Commonwealth	
of MCM	
County of	
	refore me the above-named John Siekierka and acknowledged that ng instrument as his/her free act and deed this day day
(SEAL)	Notary Public
	(print name)
	My Commission expires//

ASSIGNMENT

COPY

<u>Joint</u>

WHEREAS, we, Thomas M. DiMauro, Mohamed Attawia, Hassan Serhan, Martin A. Reynolds, Melissa Grace, Sudhakar Kadiyala, David Urbahns, Scott Bruder, Gregory Collins, Laura J. Brown, Jeff Geesin, Pam Plouhar, Catherine Smith and John Siekierka, have invented a certain improvement in TRANS-CAPSULAR ADMINISTRATION OF HIGH SPECIFICITY CYTOKINE INHIBITORS INTO ORTHOPEDIC JOINTS described in an application for Letters Patent of the United States,

[]	the specification of which is being executed on even date herewith and is about to be filed in the United States Patent Office (use for 37 CFR §1.53(b) filings only);
[X]	the specification of which was filed on July 30 , 2003 as United States Application No. 10/630,227 ;
[]	the specification of which is the United States National Stage of International Application No. [PCT Appl'n No.], filed on [PCT Filing Date] [OPTION and assigned United States Application No. []] (use for 35 USC §371 filings only);
[]	which was patented under United States Patent No. [] on [].

WHEREAS, **DePuy AcroMed**, **Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at **325 Paramount Drive**, **Raynham**, **Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the

Inventor's Signature:

Thomas M. DiMauro

State/Commonwealth

of _____

County of ____

Then personally appeared before me the above-named Thomas M. DiMauro and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 20____.

(SEAL) _____ Notary Public _____ (print name)

My Commission expires ____ / ___ /

Inventor's Signature:	
State/Commonwealth	Mohamed Attawia
of	
County of	·
Then personally appeared that he/she executed the f day of	before me the above-named Mohamed Attawia and acknowledged oregoing instrument as his/her free act and deed this, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires//
	The Commission expires
Y	
Inventor's Signature:	Hossey Couker
Inventor's Signature: State/Commonwealth	Hassan Serhan
State/Commonwealth	Hassan Serhan
State/Commonwealth of	Hassan Serhan
State/Commonwealth	Hassan Serhan
State/Commonwealth of County of Then personally appeared he/she executed the forego	Hassan Serhan
State/Commonwealth of County of Then personally appeared he/she executed the forego	Hassan Serhan before me the above-named Hassan Serhan and acknowledged that bing instrument as his/her free act and deed this day
State/Commonwealth of County of Then personally appeared he/she executed the foregoof	Hassan Serhan before me the above-named Hassan Serhan and acknowledged that bing instrument as his/her free act and deed this day, 20
State/Commonwealth of County of Then personally appeared he/she executed the foregoof	before me the above-named Hassan Serhan and acknowledged that bing instrument as his/her free act and deed this day Notary Public (print name)
State/Commonwealth of County of Then personally appeared he/she executed the foregoof	before me the above-named Hassan Serhan and acknowledged that bing instrument as his/her free act and deed this day, 20 Notary Public

Inventor's Signature:	
	Martin A. Reynolds
State/Commonwealth	
County of	
acknowledged that he/sh	d before me the above-named Martin A. Reynolds and se executed the foregoing instrument as his/her free act and deed this20
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
	Melissa Grace
Inventor's Signature: State/Commonwealth of	Melissa Grace
State/Commonwealth	Melissa Grace
State/Commonwealth of County of Then personally appeared he/she executed the foreg	Melissa Grace
State/Commonwealth of County of Then personally appeared he/she executed the foregof	Melissa Grace Melissa Grace d before me the above-named Melissa Grace and acknowledged that going instrument as his/her free act and deed this day
State/Commonwealth of County of Then personally appeared he/she executed the foreg	Melissa Grace d before me the above-named Melissa Grace and acknowledged that going instrument as his/her free act and deed this day, 20

Inventor's Signature:	
	Sudhakar Kadiyala
State/Commonwealth	
of	
County of	
	before me the above-named Sudhakar Kadiyala and acknowledged begoing instrument as his/her free act and deed this, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires//
	•
Inventor's Signature:	
	David Urbahns
State/Commonwealth	
of	
County of	·
Then personally appeared b he/she executed the foregoing	efore me the above-named David Urbahns and acknowledged that ng instrument as his/her free act and deed this day, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires//

Inventor's Signature:		
State/Commonwealth	Sco	tt Bruder
of		
County of	•	
	oing instrument as his/her free	cott Bruder and acknowledged that act and deed this day
(SEAL)		Notary Public
		(print name)
	My Commission expires	
Inventor's Signature:		
State/Commonwealth	Greg	ory Collins
of		
County of		
	pregoing instrument as his/her	fregory Collins and acknowledged free act and deed this
(SEAL)		Notary Public
		(print name)
	My Commission expires _	

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Inventor's Signature:	of amathour	
	U Laura J. Brown	
State/Commonwealth		
of New Jerse, County of Somers	<u>/</u>	
County of Somer's	e f	
Then personally appeared	before me the above-named Laura J. Brown and ack	cnowledged
that he/she executed the fo	oregoing instrument as his/her free act and deed this _	
day of October	, 20 <u>03</u> .	
(CEAL)	1/ + 70	
(SEAL)	Victor F Janas (print name)	VICTOR F. JANAS
	Victor F Janas (print name)	MOTARY PUBLIC OF NEW JERSET
	My Commission expires 12/28/2005	Commission Expires 12/25/200
	2	
	740 Mas	
Inventor's Signature:	Jestry / Clan	
State/Commonwealth	Jeff Geesin	
of New Jeus	هر	
County of Somers	e t	
	before me the above-named Jeff Geesin and acknowle	
of October	oing instrument as his/her free act and deed this $\frac{24}{2000}$	day
01 00 10 10 10		
(SEAL)	Victor F Janas (print name) My Commission expires 12 28 2005	IMPOSTOR HE HARLAS
	11: 1 T T	VICTOR F. JANAS NOTARY PUBLIC OF NEW JEBSEY
	Victor & Janas (print name)	Commission Expires 12/28/2003
	My Commission expires $\frac{12}{128} \frac{2005}{12005}$	

	·
Inventor's Signature:	
State/Commonwealth of	Pam Plouhar
County of	-
Then personally appeare he/she executed the foregof	d before me the above-named Pam Plouhar and acknowledged that going instrument as his/her free act and deed this day, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
_	Catherine Smith
Inventor's Signature: State/Commonwealth of	
State/Commonwealth	
State/Commonwealth of County of Then personally appeared that he/she executed the f	
State/Commonwealth of County of Then personally appeared that he/she executed the f	I before me the above-named Catherine Smith and acknowledged Foregoing instrument as his/her free act and deed this
State/Commonwealth of County of Then personally appeared that he/she executed the fiday of	d before me the above-named Catherine Smith and acknowledged foregoing instrument as his/her free act and deed this, 20
State/Commonwealth of County of Then personally appeared that he/she executed the fiday of	d before me the above-named Catherine Smith and acknowledged Foregoing instrument as his/her free act and deed this, 20 Notary Public

Inventor's Signature:	Pala	Sullar		
		John Si	ekierka	
State/Commonwealth				
of New Jers County of Somer	5 e y	<u> </u>		
County of Somer	5 - F			
Then personally appeared he/she executed the foregon of Ochober				
(SEAL)	Victor	I Jamen	Notary Public	VICTOR F. JANAS
	Victor	F Janas	(print name)	NOTARY PUBLIC OF NEW JERSE
	My Commi	ssion expires 12	12817005	Commission Expires 12/29/200

ASSIGNMENT

COPY

<u>Joint</u>

WHEREAS, we, Thomas M. DiMauro, Mohamed Attawia, Hassan Serhan, Martin A. Reynolds, Melissa Grace, Sudhakar Kadiyala, David Urbahns, Scott Bruder, Gregory Collins, Laura J. Brown, Jeff Geesin, Pam Plouhar, Catherine Smith and John Siekierka, have invented a certain improvement in TRANS-CAPSULAR ADMINISTRATION OF HIGH SPECIFICITY CYTOKINE INHIBITORS INTO ORTHOPEDIC JOINTS described in an application for Letters Patent of the United States,

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[]	which was patented under United States Patent No. [] on [].

WHEREAS, **DePuy AcroMed**, **Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at **325 Paramount Drive**, **Raynham**, **Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the

Inventor's Signature:

Thomas M. DiMauro

State/Commonwealth

of

County of

Then personally appeared before me the above-named Thomas M. DiMauro and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this ______ day of ______.

(SEAL)

Notary Public ______ (print name)

My Commission expires

	·
Inventor's Signature:	
	Mohamed Attawia
State/Commonwealth	
of	
County of	
	efore me the above-named Mohamed Attawia and acknowledged egoing instrument as his/her free act and deed this, 20
(SEAL)	Notary Public
	My Commission expires / /
•	My Commission expires/
Inventor's Signature:	• · · · · · · · · · · · · · · · · · · ·
	Hassan Serhan
State/Commonwealth	-
of	
County of	
	efore me the above-named Hassan Serhan and acknowledged that ng instrument as his/her free act and deed this day, 20
(SEAL)	Notary Public
·	(print name)
	My Commission expires//

Inventor's Signature:		
	Martin A. Reynolds	
State/Commonwealth		
of		
County of		
acknowledged that he/she	before me the above-named Martin A. Reynolds and executed the foregoing instrument as his/her free act and deed this20	
(SEAL)	Notary Public	
	(print name)	
	My Commission expires//	
	iviy Commission expires	
		_
Inventor's Signature:	•	
	Melissa Grace	_
State/Commonwealth		
of		
County of		
	before me the above-named Melissa Grace and acknowledged that bing instrument as his/her free act and deed this day, 20	
(SEAL)	Notary Public	
,		
	(print name)	
	My Commission expires/	

Inventor's Signature:	
~	Sudhakar Kadiyala
State/Commonwealth	
of	
County of	
	refore me the above-named Sudhakar Kadiyala and acknowledged regoing instrument as his/her free act and deed this, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires/
Inventor's Signature:	
State/Commonwealth	David Urbahns
of	
County of	
	efore me the above-named David Urbahns and acknowledged that ng instrument as his/her free act and deed this day, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires / /
	-

Inventor's Signature:	
_	Scott Bruder
State/Commonwealth	
of	
	· ·
Then personally appeare	d before me the above-named Scott Bruder and acknowledged that going instrument as his/her free act and deed this day
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
	Gregory Collins
State/Commonwealth	
of	
County of	
	d before me the above-named Gregory Collins and acknowledged foregoing instrument as his/her free act and deed this20
(SEAL)	Notary Public
	(print name)
	My Commission expires//

Inventor's Signature:	
	Laura J. Brown
State/Commonwealth	
of	
County of	
	* .
	efore me the above-named Laura J. Brown and acknowledged egoing instrument as his/her free act and deed this, 20
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
	Jeff Geesin
State/Commonwealth	
of	
County of	
	· · · · · · · · · · · · · · · · · · ·
	efore me the above-named Jeff Geesin and acknowledged that ag instrument as his/her free act and deed this day, 20
(SEAL)	Notary Public
•	(print name)
	My Commission expires / /
	My Commission expires/

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•	
Inventor's Signature:	Jamela & Reupan
	Pam Plouhar
State/Commonwealth	PAMELA L. PLOUHAR 1/03/04
of Indiana	
County of KODCil	esko
	•
	red before me the above-named Pam Plouhar and acknowledged that egoing instrument as his/her free act and deed this
Inventor's Signature:	
_	Catherine Smith
State/Commonwealth	
of	
County of	
	ed before me the above-named Catherine Smith and acknowledged e foregoing instrument as his/her free act and deed this, 20 Notary Public (print name) My Commission expires/

Inventor's Signature:	·
	John Siekierka
State/Commonwealth	
of	·
County of	
	refore me the above-named John Siekierka and acknowledged that ng instrument as his/her free act and deed this day20
(SEAL)	Notary Public
	(print name)
	My Commission expires//